Attorney's Docket: 2003CH011

Serial No.: 10/582,418

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## Amendments to the Claims

1. (currently amended) A disperse dye of the general formula (I)

where

D is a diazo component derived from a substituted or unsubstituted aromatic amine,

K is an aromatic radical of the formula  $K_1$ ,  $K_2$  or  $K_3$ 

 $R_1$  is hydrogen, chlorine,  $C_{1-2}$ -alkyl,  $C_{1-2}$ -alkoxy, hydroxyl or acylamino,

 $R_2$  is hydrogen,  $C_{1-4}$ -alkoxy,  $C_{1-2}$ -alkoxyethoxy, chlorine, or bromine or combines with  $R_3$  to form a group of the formula -\*CH(CH<sub>3</sub>)CH<sub>2</sub>C(CH<sub>3</sub>)<sub>2</sub>- (\* attached to the nucleus  $\underline{K}_1$ ),

 $R_3$  is hydrogen,  $C_{1-6}$ -alkyl,  $C_{3-4}$ -alkenyl, chloro- or bromo- $C_{3-4}$ -alkenyl,  $C_{3-4}$ -alkynyl, phenyl- $C_{1-3}$ -alkyl,  $C_{1-4}$ -alkoxycarbonyl- $C_{1-3}$ -alkyl,  $C_{3-4}$ -alkenyloxycarbonyl- $C_{1-3}$ -alkyl,  $C_{3-4}$ -alkynyloxycarbonyl- $C_{1-3}$ -alkyl, phenoxy-

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 $C_{2-4}$ -alkyl, halogen-, cyano-,  $C_{1-4}$ -alkoxy-,  $C_{1-4}$ -alkylcarbonyloxy- or  $C_{1-4}$ -alkoxycarbonyloxy-substituted  $C_{2-4}$ -alkyl, or a group of the formula -CH<sub>2</sub>-CH(R<sub>8</sub>)CH<sub>2</sub>-R<sub>9</sub>,

 $R_4$  is hydrogen or  $C_{1-2}$ -alkyl,

 $R_5$  is phenyl optionally substituted by one or two substituents selected from the group consisting of methyl, chlorine, bromine and nitro or combines with  $R_4$  to form a c-pentanone or c-hexanone ring,

R<sub>6</sub> is hydrogen or hydroxyl,

R<sub>7</sub> is hydrogen or methyl,

 $R_8$  is hydroxyl or  $C_{1-4}$ -alkylcarbonyloxy,

R<sub>9</sub> is chlorine, C<sub>1-4</sub>-alkoxy, phenoxy, allyloxy or C<sub>1-4</sub>-alkylcarbonyloxy,

Y is C<sub>1-3</sub>-alkylene,

wherein  $R_3$  is hydrogen when K is a radical of the formula  $K_2$  or  $K_3$ ,

with the following formula being excluded

2. (currently amended) A disperse dye according to Claim 1, of formula (la)

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where

 $D_1$  is 3-phenyl-1,2,4-thiadiazolyl or conforms to one of the following formulae:

$$(b) \xrightarrow{\qquad \qquad } (g) \xrightarrow{\qquad \qquad } (g)$$

where

a) is hydrogen, chlorine, bromine, cyano, nitro-, C<sub>1-4</sub>-alkoxycarbonyl, or C<sub>1-3</sub>-alkyl-sulphonyl,

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(b) is chlorine, bromine, nitro, methyl,  $C_{1-2}$ -alkylsulphonyl,  $C_{1-4}$ -alkylcarbonyl, aminosulphonyl, mono- or di- $C_{1-4}$ -alkylaminosulphonyl, phenylaminosulphonyl,  $C_{1-4}$ -alkoxycarbonyl, benzyloxycarbonyl, tetrahydrofurfuryl-2-oxycarbonyl,  $C_{3-4}$ -alkenyloxycarbonyl,  $C_{3-4}$ -alkynyloxycarbonyl, aminocarbonyl, mono- or di- $C_{1-4}$ -alkylaminocarbonyl, phenylaminocarbonyl or phenylazo,

- (c) is hydrogen or chlorine or when (d) is hydrogen, (c) is hydroxyl or rhodan,
- (d) is hydrogen, chlorine, bromine, hydroxyl or cyano,
- (e) is nitro, C<sub>1-4</sub>-alkylcarbonyl, C<sub>1-4</sub>-alkoxycarbonyl, cyano, aminocarbonyl, mono- or di-C<sub>1-4</sub>-alkylaminocarbonyl,
- (f) is hydrogen, chlorine, bromine, C<sub>1-2</sub>-alkyl or phenyl,
- (g) is nitro, cyano, formyl, dicyanovinyl or a group of the formula -CH=CH-NO<sub>2</sub>, -CH=C(CN)CO-OC<sub>1-4</sub>-alkyl, H<sub>5</sub>C<sub>6</sub>-N=N- or 3- or 4-NO<sub>2</sub>-C<sub>6</sub>H<sub>4</sub>-N=N-,
- (h) is cyano or C<sub>1-4</sub>-alkoxycarbonyl,
- (i) is C<sub>1-4</sub>-alkyl or phenyl.
- (j) is -CN, -CH=CH2 or phenyl,
- (k) is  $C_{1-4}$ -alkyl,
- (I) is hydrogen, chlorine, bromine, cyano, rhodan, nitro, C<sub>1-4</sub>-alkoxycarbonyl or di-C<sub>1-4</sub>-alkylaminosulphonyl,
- (p) is hydrogen, chlorine or bromine, and
- (q) is  $C_{1-4}$ -alkyl or  $C_{1-4}$ -alkoxycarbonyl- $C_{1-4}$ -alkyl,

wherein the phenyl nuclei of these substituents optionally have one or two substituents selected from the group consisting of chlorine, bromine, methyl and  $C_{1-2}$ -alkoxy,

R'<sub>1</sub> is hydrogen, methyl, chlorine or acylamino,

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R'<sub>2</sub> is hydrogen, chlorine,  $C_{1-2}$ -alkoxy,  $C_{1-2}$ -alkoxyethoxy or combines with  $R_3$  to form a group of the formula -CH(CH<sub>3</sub>)CH<sub>2</sub>C(CH<sub>3</sub>)<sub>2</sub>-,

R<sub>3</sub> and R<sub>5</sub> are each as defined above,

R'<sub>4</sub> is hydrogen or methyl, and

Y is a group of the formula  $-CH_2CH_2$ - or  $-CH_2CH(CH_3)$ -.

3. (currently amended) A disperse dye according to Claim 1, of formula (lb)

where

D<sub>2</sub> is the residue of a diazo component of the formula 2,6-dicyano-4-chloro-, 2,6-dicyano-4-bromo-, 2,6-dicyano-4-methyl-,-or\_2,6-dicyano-4-nitrophenyl, 2,4-dinitro-6-chloro-, 2,4-dinitro-6-bromo- or 2,4-dinitro-6-cyanophenyl, 2-chloro-4-nitro-6-cyanophenyl, 2-chloro-4-nitro-6-cyanophenyl, 2,6-dichloro-4-nitrophenyl, 2,6-dibromo-4-nitrophenyl, 2-chloro-4-nitro-6-bromophenyl, 2-chloro-4-nitrophenyl, 2-cyano-4-nitrophenyl, 2,4-dinitro-5,6-dichlorophenyl, 2,5-dichloro-4-nitrophenyl, 4-nitrophenyl, 4-phenylazophenyl, 4-C<sub>1-4</sub>-alkoxycarbonylphenyl, 4-(tetrahydrofurfuryl-2'-oxycarbonyl)phenyl, 3,5-dicyano-4-chloro-thienyl-2, 3,5-dicyano-thienyl-2,3-cyano-5-nitro-thienyl-2, 3-acetyl-5-nitro-thienyl-2, 3,5-dinitro-thienyl-2, 3-(C<sub>1-4</sub>-alkoxycarbonyl)-5-nitro-thienyl-2, 5-phenylazo-3-cyano-4-

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methyl-thienyl-2, 5-nitro-thiazolyl-2, 5-nitrobenzoiso-thiazolyl-3, 3-methyl-4-cyano-isothiazolyl-5, 3-phenyl-1,2,4-thiadiazolyl-2, 5-( $C_{1-2}$ -alkylmercapto)-1,3,4-thiadiazolyl-2, 3-( $C_{1-2}$ -alkoxycarbonylethyl-mercapto)-1,2,4-thiadiazolyl-5, 1-cyanomethyl-4,5-dicyano-imidazolyl-2, 6-nitrobenzothiazolyl-2, 5-nitrobenzothiazolyl-2, 6-rhodanbenzothiazolyl-2, 6-chlorobenzothiazolyl-2, (5),6,(7)-dichlorobenzothiazolyl-2, or of the formula

and B is oxygen or a group of the formula = $(CN)_2$ , = $CH-NO_2$ , = $(CN)-COOC_{1-4}$  alkyl or = $(CN)-COOC_{3-4}$  alkenyl

and the symbols R'<sub>4</sub>, R'<sub>2</sub>, R<sub>3</sub>, R'<sub>4</sub>, R<sub>5</sub> and Y are each as defined above, and

R'<sub>1</sub> is hydrogen, methyl, chlorine or acylamino,

R'<sub>2</sub> is hydrogen, chlorine,  $C_{1-2}$ -alkoxy,  $C_{1-2}$ -alkoxyethoxy or combines with  $R_3$  to form a group of the formula -CH(CH<sub>3</sub>)CH<sub>2</sub>C(CH<sub>3</sub>)<sub>2</sub>-, and

R'<sub>4</sub> is hydrogen or methyl.

4. (currently amended) A process for preparing a dye of the formula (I), according to Claim 1, comprising the step of coupling a diazotized amine of the formula (II)

 $D-NH_2$  (II)

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with a compound of the formula (III)

wherein D and K are each as defined in Claim 1 is a substituted phenyl, thienyl, thiazolyl, isothiazolyl, thiadiazolyl, pyrazolyl, imidazolyl, triazolyl, benzothiazolyl or benzoisothiazolyl radical with a compound of the formula (IIIa)

H-K-N(R<sup>3</sup>)-Y-C(O)-O-CH(R<sup>4</sup>)-C(O)-R<sup>5</sup>, wherein K is an aromatic radical of the formula K<sub>1</sub>

$$R_2$$
 $R_1$ 
 $(K_1)$ 

and wherein R1, R2, R3, R4 and R5 are as defined in claim 1.

- 5. (previously presented) A method for dyeing or printing or both a hydrophobic fibrous material comprising the step of contacting at least one dye according to Claim 1 with the hydrophobic fibrous material.
- 6. (previously presented) A method for printing a hydrophobic fibrous material comprising the step of contacting at least one dye according to Claim 1 with the hydrophobic fibrous material with an ink jet printing device or a hot melt ink jet printing device.

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7. (previously presented) A composition comprising at least one dye according to Claim 1.

- 8. (previously presented) A fibrous material printed or dyed or both with at least one dye according to Claim 1.
- 9. (currently amended) A method according to Claim 5 wherein the hydrophobic fibrous material is polyester, acetate, or triacetate fiber or a mixture thereof.
- 10. (previously presented) A disperse dye according to claim 2 wherein (a) is hydrogen, chlorine, cyano or nitro.
- 11. (currently amended) A fibrous material printed or dyed or both by a process according to Claim 4\_4.